



ALERT - Geomaterials Application Form

September 22, 2010

Team:	<i>ECOLE CENTRALE DE LYON</i> Laboratoire de Tribologie et Dynamique des Systèmes (LTDS)
Responsible ALERT member:	<i>Eric VINCENS</i> <i>eric.vincens@ec-lyon.fr</i>
Link to the website¹:	<i>http://ltds.ec-lyon.fr/</i>
Size of the research group:	9

Researchers	Topic(s) of interest²
<i>B. CAMBOU</i>	<i>Homogenization in granular materials</i> <i>Multi-scale modelling of geomaterials</i> <i>Micro-mechanics</i>
<i>M. CHAZE</i>	<i>Micro-mechanics</i>
<i>F. FROIHO</i>	<i>Micro-mechanics</i> <i>Multi-scale modelling of geomaterials</i>
<i>H. MAGOARIEC</i>	<i>Homogenization in granular materials</i> <i>Multi-scale modelling of geomaterials</i>
<i>C. NOUGUIER-LEHON</i>	<i>Micro-mechanics</i>
<i>E. VINCENS</i>	<i>Multi-scale modelling of geomaterials</i> <i>Earthquake Engineering</i> <i>Multi-phase modelling in geomaterials</i>

Post-docs	Topic(s) of interest²
<i>Y. OUAFIK</i>	<i>Filtration processes in geomaterials</i>

¹ Link to the ALERT page active in the web page in the site of the local institution.

² Each topic should be actively linked to the list of the relative pdf papers.

Present PhD students	Title of the thesis
<i>Y. BAGAGLI</i>	<i>Constitutive modelling of soils and interfaces under cyclic loadings</i>
<i>J. SJAH</i>	<i>Modelling of erodability tests for soils by DEM-SPH method</i>

Number of international journal papers in the last five years:	~20
Number of conference papers in the last three years:	~20
Number of invited/keynote lecturers in the last three years:	3

Titles of books (as author or editors) in the last five years

- 1) *B. Cambou, M. Jean and F. Radjaï, Micromechanics of Granular Materials, Ed. B. Cambou, M. Jean and F. Radjaï, ISTE/Wiley, juin 2009, 346 pages*